

Appln No. 09/599,057

Amdt date October 21, 2003

Reply to Office action of July 21, 2003

REMARKS/ARGUMENTS

Claims 1-3 are pending in the application. Claim 1 is amended to more clearly define the present invention and claim 2 is amended to correct a typographical error. Claim 2 is rejected under 35 U.S.C § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regard as the invention. In view of the amendment to claim 2, it is respectfully requested that the above-mentioned rejection be withdrawn.

Claims 2 and 3 are deemed allowable if rewritten in independent form. Claim 1 is rejected under 35 U.S.C § 102(e) as being anticipated by Yokata et al. (U.S. 6,268,692). Applicants submit that all of the claims currently pending in this application are patentably distinguishable over the cited references, and reconsideration and allowance of this application are respectfully requested.

The amended independent claim 1 includes, among other limitations, "wherein the cone has a deflection power reducing shape formed in such a manner that the outer periphery of a portion of the cone has a predetermined curvature which is contiguous to the body and has a shape of an arc on a range from an end of the cone at the neck to a point on the outer priphery of the cone, where said arc has a length $0.25 \times L$ measured along an axis of symmetry of the cathode ray tube from the end of the cone at the neck, where L is an entire length of the cone from the neck to the body measured along the axis of symmetry of the cathode ray tube."

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However, Yokota does not disclose the above limitation. Yokota in FIG. 7 describes a CRT including a funnel 13 and a neck 15. "[t]he funnel 13 and the neck 15 are joined to each other at a joint portion 24." Col. 8, lines 36-38, and FIG. 7. "The end of the yoke mount portion 33 on the screen side (e.g., the boundary between the first and second portions 32 and 33) is a position where the yoke mount portion is not along the electron beam route 22, i.e., the position of an inflection point 30 where the value obtained by twice differentiation as described above is zero." Col. 8, lines 60-65, and FIG. 7. Applicants respectfully disagree with the assertion in the Office action that "such curvature is along the length (L) of the cone part 33, which includes such shape having length of L/4 from an end of the cone at the neck." (Office action, page 3, end of second paragraph).

The CRT of Yokota, in FIGs. 3 and 7, includes an inflection point 30 that resembles the tops of rounds (TOR) point T' of the present invention (FIGs. 1-3). Similarly, the intersection of line 24 (in FIG. 7) with the body of Yokota's CRT seems to be the end of the cone near the neck point that resembles point O' in the present invention (FIGs. 1-3). Consequently, length 33 along the Z axis in FIG. 7 of Yokota is equivalent to length L in FIGs. 1-3 of the present invention and claimed in independent claim 1.

Applicants are unable to find any showings in Yokota of "the deflection power reducing shape [being] formed to have a length $0.25 \times L$ measured along an axis of symmetry of the cathode ray tube from the end of the cone at the neck," as required by

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the independent claim 1. In fact, FIG. 7 of Yokota depicts the deflection power reducing shape (i.e., the portion of the body 33 from the joint point 24) to be more than half of the length 33 on the Z axis. As a result, the independent claim 1 is not anticipated by Yokota.

In short, the independent claim 1 defines a novel and unobvious invention over the cited reference. Dependent claims 2-3 are dependent from claim 1 and therefore include all the limitations of claim 1 and additional limitations therein. Accordingly, these claims are also allowable over the cited references, as being dependent from allowable independent claim 1 and for the additional limitations they include therein.

In view of the foregoing amendments and remarks, it is respectfully submitted that this application is now in condition for allowance, and accordingly, reconsideration and allowance are respectfully requested.

Respectfully submitted,
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